



## TECHNICAL DATASHEET

## Vitralit® UV 2516

Vitralit UV curable products are single component adhesives that cure very quickly under UV or even visible light sources. They are based on modified Acrylic. These products are especially developed for glass bonding.

Vitralit UV 2516 Applications:

Application for furniture construction and interior design, large area. It can be used for large-area glass / glass, glass / metal bonding e.g. Alu profile bonding with glass, glass / stone bonding and bonding of sensors or optical components.

Storage Stability: 6 months between 7 and 25°C in unopened, original packaging.

### Shelf life:

Store in original, unopened containers for 6 months at max. 25°C

## Technical Data

|       |             |
|-------|-------------|
| Color | transparent |
| Resin | acrylat     |

## UNCURED PROPERTIES

|  |              |              |
|--|--------------|--------------|
| Viscosity(25 °C / Brookfield LVT /Sp. / UPM) | PE-Norm P001 | 400 to 600   |
| Flash point [°C]                             | PE-Norm P050 | > 100        |
| Density [g/cm <sup>3</sup> ]                 | PE-Norm P051 | approx. 1.05 |
| Refractive Index [nD20]                      | PE-Norm P018 | 1.47         |

## Curing

|  |              |   |
|--|--------------|---|
| UV(UV-A 60mW/cm <sup>2</sup> ): [sec.] | PE-Norm P002 | 5 |
|--|--------------|---|

## CURED PROPERTIES

|                             |              |            |
|-----------------------------|--------------|------------|
| Temperature Resistance [°C] | PE-Norm P030 | -20 to 140 |
| Hardness Shore D            | PE-Norm P052 | 15 to 40   |
| Shrinkage [Vol-%]           | PE-Norm P031 | 2          |
| Water Absorption [Gew-%]    | PE-Norm P053 | < 0,8      |

Our data sheets have been compiled to the best of our knowledge. The information included in our data sheets is exclusive information for the intended user and describes characteristics, with no declaration of commitment. We recommend trials in order to confirm that our products satisfy the particular application requirements. For an additional technical consultation, please contact our RD department. In general, for guarantee claims, please refer to our standard terms and conditions.

Adhesives  
and more...

**Mechanical Data**

|  |                |             |
|--|----------------|-------------|
| Compression Shear Strength (Glass/Glass) [MPa]           | [PE-Norm P061] | approx. 7   |
| Compression Shear Strength (Glass/Alu) [MPa]             | [PE-Norm P061] | approx. 4   |
| Compression Shear Strength (Glass/Stainless Steel) [MPa] | [PE-Norm P061] | approx. 5   |
| Elongation at Break [%]                                  | [PE-Norm P060] | approx. 113 |

**Instructions for Use**

Surface Preparation

The surfaces to be adhered should be free of dust, oil, fat or any other dirt in order to optimise reproducible bonds. Lightly soiled surfaces can be cleaned with cleaner IP, whereas substrates with low surface energy (such as polyethylene, polypropylene or Teflon) need to be treated physically using plasma or corona to create a suitable working surface. For glass bonding applications we have developed a special primer pen which can be easily applied to prepare the surface for best results.

Application

Our products are delivered ready for use. As soon as you receive them, you can dispense them, be it by hand from the container, or semi/fully automatically. When applied automatically, we recommend the use of air pressure with the appropriate cartridge/piston combination to dispense the adhesive at the required speed and accuracy. If help is required, please consult our engineering department

Please read the corresponding **Safety Data Sheet** for this product.

Adhesives  
and more...